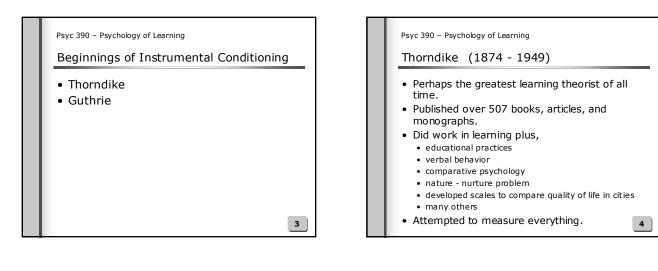
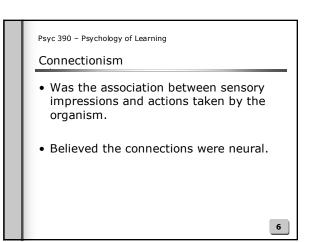
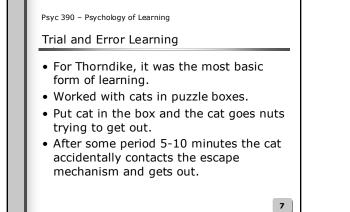


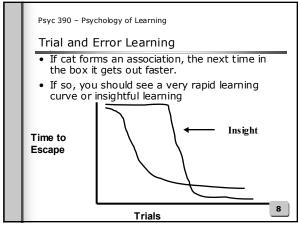
Psyc 390 – Psychology of Learning
Instrumental Conditioning
In CC, the relationship between the two stimuli before the conditioned or unconditioned response is important.
In Instrumental Conditioning the relationship between the stimulus and the response are important.
Thus, what the stimuli does is the focus of the process, and how the stimulus influences the response.
Called S – R Psychology
2

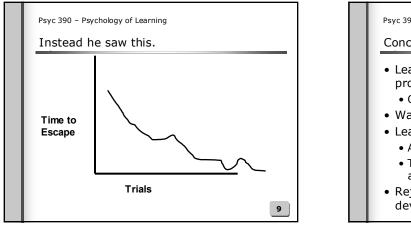


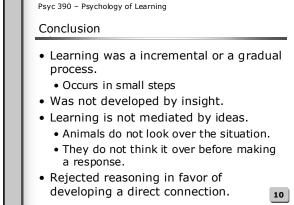
Psyc 390 – Psychology of Learning
Thorndike (1874 - 1949)
Began work with Cattell
 Started his work with chicks then switched to cats.
 Developed a methodology that was suitable to study animal learning and human learning as well.
5

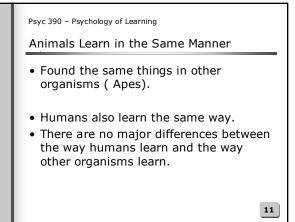


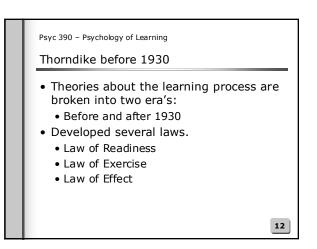












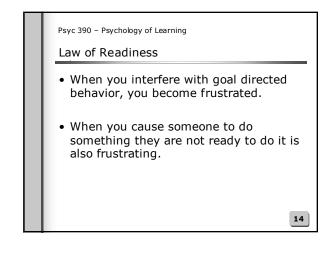
Psyc 390 – Psychology of Learning

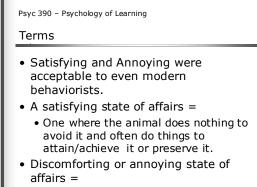
Law of Readiness

- Had three parts.
- When someone is ready to perform some act, to do so is satisfying.
- When someone is ready to perform some act, to not do so is annoying.
- When someone is not ready to perform some act and is forced to do so, it is annoying.

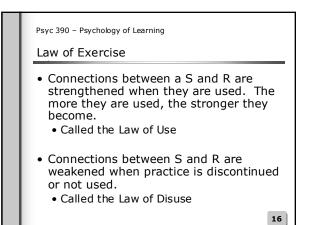
13

15





 One where the animal avoids or abandons the situation.



Psyc 390 – Psychology of Learning

Strengthening and Weakening

- Strengthening = An increase in the probability that a response would occur when a stimulus is presented.
- If the bond between the S & R is strengthened, then the next time the S is presented, there is an increased probability that a response will occur.
- If the bond is weakened, there is a decreased probability the response will occur.

Psyc 390 - Psychology of Learning
Law of Effect

When a response is followed by a satisfying state of affairs the strength of the connection is increased.

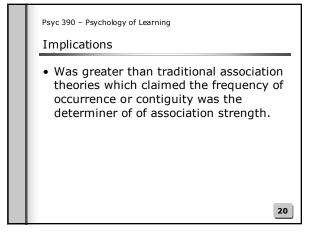
When a response is followed by an annoying state of affairs the strength of the connection is decreased.

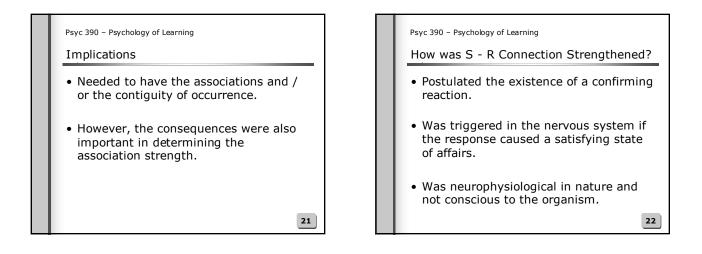
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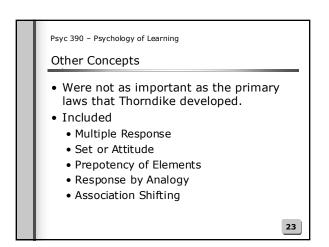
Restated

- If a stimulus leads to a response, which then leads to reinforcement, the S - R connection is strengthened.
- If a stimulus leads to a response, which then leads to the delivery of a punishing stimulus, the S - R connection is weakened.

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Multiple Response

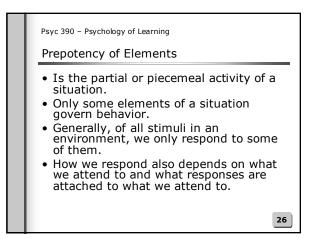
- Is the first step in all learning.
- If our first response does not solve the problem, we try other responses.
- Basically, we continue until a response solves an existing problem.

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Set or Attitude

- What an organism brings to the learning situation is extremely important.
- Individual differences in learning can be explained by cultural differences, genetic history, fatigue, deprivation, etc.
- What acts as a satisfier or annoyer depends on the organisms background and body state at the time of learning.



Psyc 390 - Psychology of Learning
After 1930
Renounced the Law of Exercise.
Mere repetition did not strengthen a response.
May get minor improvement but not much else.

Psyc 390 - Psychology of Learning
Revised the Law of Effect
Only part was true was when a response resulted in a satisfying state of affairs.
Reinforcement increases the strength of a connection.
Punishment has nothing to do with the strength of a connection.
Was wrong here

Psyc 390 – Psychology of Learning Belonginess
 Found, if the elements of an association somehow belonged together, the association between them was learned and retained more readily than if the elements did not belong together.